INSTITUTE OF PETROLEUM REVIEW

★

Honorary Editor:
F. H. GARNER, O.B.E., PH.D., F.R.I.C.

Honorary Associate Editor:
E. B. EVANS, PH.D., M.SC., F.R.I.C.

Editor:
GEORGE SELL

★

VOLUME FIVE
1951

THE INSTITUTE OF PETROLEUM
MANSON HOUSE, 26 PORTLAND PLACE
LONDON, W.1

R v.5-6 1951-1952

Tech.

CONTENTS

The Development of Canada's Petroleum Industry. *By J. K. O'Sullivan* . . 1

Operational Research. *By R. E. Strong* 11

Council Commentary 17, 41, 77, 111, 145, 250, 431

Petroleum in Parliament 18, 114, 156, 198, 230, 282, 323

Around the Branches 20, 47, 82, 112, 137, 223, 385, 432

Personal Notes . . . 21, 49, 78, 108, 152, 186, 233, 281, 321, 345, 442

Correspondence 22, 337

Oil Engine Problems and Achievements—An Oil Man's Point of View. *By J. J. Broeze* 33

Containers for Petroleum Products and Other Special Materials. *By J. Mason* . 43

Permutations and Combinations. *By A. F. Dabell* 51

Organization and Work of the French Institute of Petroleum. *By E. A. Smith* . 65

Petroleum in Parliament. *By F. J. Erroll* 73

President on Refining in U.K. 79

Oil Substitution Ends 88

Instrument Development at Thornton Research Centre. *By J. W. Drinkwater* . 97

The Future of the Oil Industry. *By Howard W. Page* 105

U.K. Petroleum Trade in 1950. *By George Sell* 117

The Annual Dinner 129

The Rise and Fall of the Petrol Bus. *By A. T. Wilford* 147

Birmingham Students Dine 154

Exhibition of the Petroleum Industry 160

Cadman Memorial Lecture 162, 245

Labour Statistics for U.K. Petroleum Refining Industry 168

Sources of Sulphur. *By C. M. Cawley* 177

Council and Officers, 1951-2 185

The Progress of Laboratory and Road Knock Rating Techniques. *By C. H. Sprake* 187

The Festival of Britain 195

B.I.F. 1951 196

Heat-Transfer Discussion 202

Modern Techniques in Petroleum Testing:

(I) Distillation. *By S. A. Ashmore and D. S. Vickery* . . . 210, 271

(II) Spectrometry in the Petroleum Industry. *By L. K. Maltby* . . . 315

(III) Gas Analysis—Other than by Light Absorption Methods. *By K. R. Garrett* . 349

(IV) Engine Tests of Aviation Fuels. *By J. Ogle and C. H. Sprake* . . 377

(V) Road Testing the Anti-knock Quality of Motor Gasolines. *By H. J. Eatwell* 421

British Oil Engine Exports 222

U.K. Petroleum Industry 228

"Archie" 229
U.K. Petroleum Consumption 234
The World Petroleum Congress 251
Patents and Portents. *By J. T. Tyson* 301
U.K. Refining Trade 313
Heriot-Watt Fellowships 314
Session 1951-52 322
A Glossary of Petroleum Terms 324
Birmingham University Degrees 325
Petroleum in the Paint, Plastics and Rubber Industries. *By A. J. Goodfellow* . 337
Report of Weights and Measures Committee 346
The Redwood Lecture 373
Ownership of World Oil Production 376
Fawley Refinery Opened 387
World Petroleum Statistics, 1950 399
Launch of S.T.S. "Vellutia" 429
Trinidad Branch Dinner 434
The CBMPE 438
Author Index 447
Subject Index 447